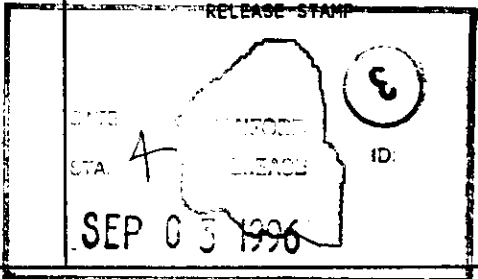


# ENGINEERING CHANGE NOTICE

Page 1 of 2

1. ECN 635341

Proj.  
ECN

<b>2. ECN Category (mark one)</b> Supplemental <input type="checkbox"/> Direct Revision <input checked="" type="checkbox"/> Change ECN <input type="checkbox"/> Temporary <input type="checkbox"/> Standby <input type="checkbox"/> Supersedeure <input type="checkbox"/> Cancel/Void <input type="checkbox"/>		<b>3. Originator's Name, Organization, MSIN, and Telephone No.</b> John M. Conner, Data Assessment and Interpretation, R2-12, 373-2711		<b>4. USQ Required?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<b>5. Date</b> 08/30/96	
		<b>6. Project Title/No./Work Order No.</b> Tank 241-BX-112		<b>7. Bldg./Sys./Fac. No.</b> 241-BX-112		<b>8. Approval Designator</b> N/A	
		<b>9. Document Numbers Changed by this ECN (includes sheet no. and rev.)</b> WHC-SD-WM-DP-170, Rev. 1		<b>10. Related ECN No(s).</b> ECN-633319		<b>11. Related PO No.</b> N/A	
<b>12a. Modification Work</b> <input type="checkbox"/> Yes (fill out Blk. 12b) <input checked="" type="checkbox"/> No (NA Blks. 12b, 12c, 12d)		<b>12b. Work Package No.</b> N/A		<b>12c. Modification Work Complete</b> N/A Design Authority/Cog. Engineer Signature & Date		<b>12d. Restored to Original Condition (Temp. or Standby ECN only)</b> N/A Design Authority/Cog. Engineer Signature & Date	
<b>13a. Description of Change</b> This ECN is being generated in order to exchange page 55 of WHC-SD-WM-DP-170, Rev. 1. Potassium and nickel values are now reported for the Core 118 and 119 water leach-ICP results.							
<b>13b. Design Baseline Document?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No							
<b>14a. Justification (mark one)</b> Criteria Change <input type="checkbox"/> Design Improvement <input type="checkbox"/> Environmental <input type="checkbox"/> Facility Deactivation <input type="checkbox"/> As-Found <input type="checkbox"/> Facilitate Const <input type="checkbox"/> Const. Error/Omission <input type="checkbox"/> Design Error/Omission <input checked="" type="checkbox"/>							
<b>14b. Justification Details</b> Previously, these results were erroneously listed as "n/a" (not applicable).							
<b>15. Distribution (include name, MSIN, and no. of copies)</b> See attached distribution.						<b>RELEASE STAMP</b> 	

# ENGINEERING CHANGE NOTICE

Page 2 of 2

1. ECN (use no. from pg. 1)

ECN-635341

16. Design Verification Required  <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	17. Cost Impact				18. Schedule Impact (days)	
	ENGINEERING		CONSTRUCTION			
	Additional <input type="checkbox"/>	\$	Additional <input type="checkbox"/>	\$	Improvement <input type="checkbox"/>	
	Savings <input type="checkbox"/>	\$	Savings <input type="checkbox"/>	\$	Delay <input type="checkbox"/>	

19. Change Impact Review: Indicate the related documents (other than the engineering documents identified on Side 1) that will be affected by the change described in Block 13. Enter the affected document number in Block 20.

SDD/DD	<input type="checkbox"/>	Seismic/Stress Analysis	<input type="checkbox"/>	Tank Calibration Manual	<input type="checkbox"/>
Functional Design Criteria	<input type="checkbox"/>	Stress/Design Report	<input type="checkbox"/>	Health Physics Procedure	<input type="checkbox"/>
Operating Specification	<input type="checkbox"/>	Interface Control Drawing	<input type="checkbox"/>	Spares Multiple Unit Listing	<input type="checkbox"/>
Criticality Specification	<input type="checkbox"/>	Calibration Procedure	<input type="checkbox"/>	Test Procedures/Specification	<input type="checkbox"/>
Conceptual Design Report	<input type="checkbox"/>	Installation Procedure	<input type="checkbox"/>	Component Index	<input type="checkbox"/>
Equipment Spec.	<input type="checkbox"/>	Maintenance Procedure	<input type="checkbox"/>	ASME Coded Item	<input type="checkbox"/>
Const. Spec.	<input type="checkbox"/>	Engineering Procedure	<input type="checkbox"/>	Human Factor Consideration	<input type="checkbox"/>
Procurement Spec.	<input type="checkbox"/>	Operating Instruction	<input type="checkbox"/>	Computer Software	<input type="checkbox"/>
Vendor Information	<input type="checkbox"/>	Operating Procedure	<input type="checkbox"/>	Electric Circuit Schedule	<input type="checkbox"/>
OM Manual	<input type="checkbox"/>	Operational Safety Requirement	<input type="checkbox"/>	ICRS Procedure	<input type="checkbox"/>
FSAR/SAR	<input type="checkbox"/>	IEFD Drawing	<input type="checkbox"/>	Process Control Manual/Plan	<input type="checkbox"/>
Safety Equipment List	<input type="checkbox"/>	Cell Arrangement Drawing	<input type="checkbox"/>	Process Flow Chart	<input type="checkbox"/>
Radiation Work Permit	<input type="checkbox"/>	Essential Material Specification	<input type="checkbox"/>	Purchase Requisition	<input type="checkbox"/>
Environmental Impact Statement	<input type="checkbox"/>	Fac. Proc. Samp. Schedule	<input type="checkbox"/>	Tickler File	<input type="checkbox"/>
Environmental Report	<input type="checkbox"/>	Inspection Plan	<input type="checkbox"/>		<input type="checkbox"/>
Environmental Permit	<input type="checkbox"/>	Inventory Adjustment Request	<input type="checkbox"/>		<input type="checkbox"/>

20. Other Affected Documents: (NOTE: Documents listed below will not be revised by this ECN.) Signatures below indicate that the signing organization has been notified of other affected documents listed below.

Document Number/Revision

Document Number/Revision

Document Number Revision

N/A

[illegible]

## Final Results for Tank 241-BX-112, Push Mode Cores 118 and 119

John M. Conner  
Westinghouse Hanford Company, Richland, WA 99352  
U.S. Department of Energy Contract DE-AC06-87RL10930

EDT/ECN: ECN-635341 UC: 2070  
Org Code: 79400 Charge Code: N4G4C  
B&R Code: EW 3120074 Total Pages: 2434

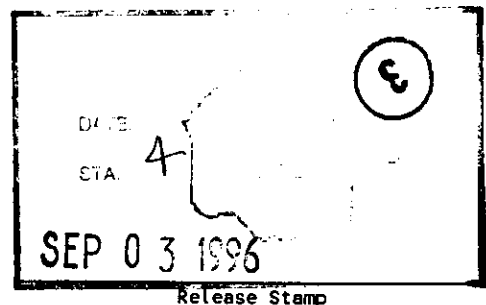
Key Words: Final Results, Tank 241-BX-112, Tank BX-112, BX-112, BX  
Farm, Push Mode, Push, Core 118, Core 119

Abstract: N/A

TRADEMARK DISCLAIMER. Reference herein to any specific commercial product, process, or service by trade name, trademark, manufacturer, or otherwise, does not necessarily constitute or imply its endorsement, recommendation, or favoring by the United States Government or any agency thereof or its contractors or subcontractors.

Printed in the United States of America. To obtain copies of this document, contact: WHC/BCS Document Control Services, P.O. Box 1970, Mailstop H6-08, Richland WA 99352, Phone (509) 372-2420; Fax (509) 376-4989.

  
Release Approval \_\_\_\_\_ Date 9/3/96



Approved for Public Release

[illegible]

Table 2.11. ICP Results from Core 119 Water Leach, Seg 2A &amp; 2B, Tank BX-112

Project: TWRS  
Procedure: PNL-ALO-211

BX-112 Core 119 Water Leaches

File: m050996b  
Analyzed: 05/09/96

119 Segment 2A				119 Segment 2B																		
Sam Log#:		96-02613	96-02613			96-02614	96-02614															
Split#:		119.2A.W2	119.2A.W2			119.2B.W2	119.2B.W2															
ICP Dil:		1.00	1.00			1.00	1.00															
Dil Fctr:		91.2	92.7			97.4	93.1															
Est. IDL ug/mL	Analyte	Sample ug/g	Duplicate ug/g	RPD	Sample ug/g	Duplicate ug/g	RPD	Batch Blk ug/g	Post Spike Recoveries Spk "A"	Spk "B"												
0.015	Ag	ND	ND	33 *	ND	ND	20	Batch Blank and Post Spikes presented with Core 118 Segment 2A/2B results														
0.060	Al	58	81		292	239																
0.080	As	ND	ND		ND	ND																
0.050	B	(5)	(6)		(6)	(6)																
0.010	Ba	ND	ND		ND	ND																
0.005	Be	ND	ND	1	ND	ND	0															
0.100	Bi	ND	ND		ND	ND																
0.250	Ca	(115)	(92)		(76)	(80)																
0.015	Cd	ND	ND		ND	ND																
0.100	Ce	ND	ND		ND	ND																
0.050	Co	ND	ND		ND	ND																
0.020	Cr	234	236		225	225																
0.050	Cu	ND	ND		ND	ND																
0.050	Dy	ND	ND		ND	ND																
0.100	Eu	ND	ND		ND	ND																
0.050	Fe	ND	ND	1	ND	ND	1															
2.000	K	(342)	(354)		(338)	(349)																
0.050	La	ND	ND		ND	ND																
0.030	Li	29	29		(11)	(11)																
0.100	Mg	(45)	(45)		(41)	(44)																
0.050	Mn	ND	ND		ND	ND																
0.030	Mo	(25)	(25)		(24)	(24)																
0.250	Na	65,708	66,180		64,384	64,845																
0.100	Nd	ND	ND		ND	ND																
0.030	Ni	ND	ND		ND	ND																
0.250	P	5,119	5,175	1	5,380	5,334	1															
0.100	Pb	ND	ND		ND	ND																
0.300	Pd	ND	ND		ND	ND																
0.300	Rh	ND	ND		ND	ND																
0.100	Ru	ND	ND		ND	ND																
0.100	Sb	ND	ND		ND	ND																
0.100	Se	ND	ND		ND	ND																
0.500	Si	(70)	(69)		(52)	(52)																
1.000	Sn	ND	ND		ND	ND																
0.015	Sr	ND	ND		ND	ND																
0.500	Te	ND	ND		ND	ND																
0.800	Th	ND	ND		ND	ND																
0.025	Ti	ND	ND		ND	ND																
0.500	Tl	ND	ND		ND	ND																
2.000	U	ND	ND		ND	ND																
0.015	V	ND	ND		ND	ND																
0.500	W	ND	ND		ND	ND																
0.010	Y	ND	ND		ND	ND																
0.020	Zn	ND	ND		ND	ND																
0.025	Zr	ND	ND		ND	ND																

- Note: 1) Estimated Quantitation Limit (EQL) = 10x IDL; "( )" results <EQL but >IDL.  
 2) Above 5 times EQL, results reportable to 2 1/2 significant digits.  
 3) The process "blank" has not been subtracted from the "Sample & Duplicate" results.  
 4) Above 5 times EQL, precision is estimated at better than +/-20% and accuracy +/-15%.  
 5) "ND" = Not Detected; Estimated Sample Detection Limit (ug/mL) = (IDL in ug/mL) \* (Dil Fctr)  
 6) If RPD flagged with "\*\*", then RPD >20% and sample & duplicate results >EQL.

Data, including calibration/QC, archived File ICP-325-405-1/96A0114.